In the claims:

Please amend the claims as follows:

Claims 1-18 (Cancelled)

19. (New) A wireless Local Area Network system comprising:

a wireless communication server; and

one or more access points operably connected to the wireless communication server, the access points adapted to wirelessly transmit and receive data to and from remote units using a radio frequency communications such that the remote units form part of a wireless Local Area Network, wherein the wireless communication server is physically separate from the access points, the wireless communication server maintaining centralized filtering and forwarding of data to be transmitted to the remote units.

20. (New) The wireless Local Area Network system of Claim 19 wherein the wireless communication server is connected through conventional network elements to the access points.

21. (New) The wireless Local Area Network system of Claim 19 wherein the wireless communication server and the one or multiple access points are connected to an existing wired network.

22. (New) The wireless Local Area Network system of Claim 21 wherein the existing wired network is an Ethernet network or a network that adheres to other IEEE 802 standards.

23. (New) The wireless Local Area Network system of Claim 19 wherein the wireless communication server is connected to the one or multiple access points through a direct cable connection.

24. (New) The wireless Local Area Network system of Claim 19, wherein the wireless communication server can concurrently operate with multiple access points utilizing different wireless media types and/or data rates.

25. (New) The wireless Local Area Network system of Claim 19, wherein the wireless communication server includes at least one destination table relating remote units to access points.

26. (New) The wireless Local Area Network system of Claim 19 further comprising at least one additional wireless communication server.

27. (New) The wireless Local Area Network system of Claim 26, wherein said at least one additional wireless communication server provides services for additional access points.

28. (New) The wireless Local Area Network system of Claim 19, wherein the access points transmit the radio frequency wireless signals using an unlicensed frequency band.

29. (New) The wireless Local Area Network system of Claim 19, wherein the system provides the automatic association of the access points and the wireless communication server.

30. (New) The wireless Local Area Network system of Claim 19, wherein the wireless communication server filters network data based on a remote unit identification.

31. (New) A wireless Local Area Network system comprising:

at least one wired-network element;

a wireless communication server operably connected to the at least one wired-network element; and

one or multiple access points operably connected to the wireless communication server through the wired-network element, the access

points adapted to wirelessly transmit and receive data to and from remote units using a radio frequency communications such that the remote units form part of a wireless Local Area Network, wherein the wireless communication server is physically separate from the access points, the wireless communication server maintaining centralized filtering and forwarding of data to be transmitted to the remote units.

32. (New) The wireless Local Area Network system of Claim 31, wherein the wireless communication server can concurrently operate with multiple access points utilizing different wireless media types and/or data rates.

33. (New) The wireless Local Area Network system of Claim 31 further comprising at least one additional wireless communication server.

34. (New) A wireless Local Area Network system comprising:

a wireless communication server; and

one or more access points functionally connected to the wireless communication server, the access points adapted to wirelessly transmit and receive data to and from remote units using a radio frequency communications such that the remote units form part of a wireless Local Area Network, wherein the wireless communication server is physically separate from the access points, the wireless communication server maintaining at least one centralized function for the one or more access points.

35. (New) The wireless communication system of claim 34, wherein the at least one centralized function includes the centralized filtering and forwarding of data to be transmitted to the remote units.

36. (New) A wireless Local Area Network system comprising:

a wireless communication server; and

two or more access points operably connected to the wireless communication server, the access points adapted to wirelessly transmit and receive data to and from remote units using a radio frequency communications such that the remote units form part of a wireless Local Area Network, wherein the wireless communication server is physically separate from the access points, the wireless communication server maintaining centralized filtering and forwarding of data to be transmitted to the remote units.

37. (New) The wireless Local Area Network system of Claim 19 wherein the wireless communication server is operably connected through conventional network elements to the access points.

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38. (New) A method of directing data to a remote unit in a wireless Local Area Network using access points and remote units, comprising:

in a wireless communication server which is physically separate from the access point, analyzing network data to determine, from a remote unit identification, a desired access point to transmit the data, the wireless communication server being adapted to select the desired access point from a number of possible access points;

in the wireless communication server, forwarding the data to the correct access point;

in an access point, wirelessly transmitting the data to the remote unit using a radio frequency communication link, wherein the network data is filtered by the wireless communication server such that the access point needs not examine the remote unit identification to determine whether to transmit the data.

39. (New) The method of Claim 38 wherein the wireless communication server uses a destination table to associate a remote unit with an access point.

40. (New) The method of Claim 38 further comprising providing at least one additional wireless communication server.

41. (New) The method of Claim 40 wherein the at least one additional wireless communication server is associated with additional access points.